

SHMYREV, A.G., inzh.

Signaling, central control and block systems for railroad runs.
Avtom., telem. i sviaz' no.11:11-13 N '57. (MLRA 10:11)
(Railroads--Signaling)

SHMYREV, A.G., inzh.

Switching over automatic block systems on electrified sections. Avtom.,
telem. i sviaz' no.12:17-21 D '57. (MIRA 10:12)
(Railroads---Signaling--Block systems)

SHMYREV, A.G., inzh.

Redesigning signaling, central control, block system, and communication
system installations for electrified railroad lines. Zhel. dor. transp.
40 no.5:37-40 My '58. (MIRA 11:6)

(Electric railroads--Signaling--Block system)

(Electric railroads--Communication systems)

SHMYREV, A. G.

Connecting new switches into electric interlocking systems. Avtom.,
telem. i svyaz'. 4 no.5:17-18 My '60. (MIRA 13:8)

1. Nachal'nik tekhnicheskogo otdela Glavnogo upravleniya signali-
zatsii i svyazi Ministerstva putey soobshcheniya.

(Railroads--Signaling--Interlocking system)

(Railroads--Switches)

NIKOL'SKIY, Aleksandr Aleksandrovich; DYSKIN, Itskhok Efraimovich;
SOKOLOV, Mikhail Ivanovich; SHMYREV, A.G., inzh., retsenzent;
NOVIKAS, M.N., inzh., red.; MEDVEDEVA, M.A., tekhn. red.

[Winning the high title; work practices of the collective of the
route control interlocking system point of the Chelyabinsk Sta-
tion of the Southern Urals Railroad] Vysokoe zvanie zavoevano;
opyt raboty kollektiva posta marshrutno-releinoi tsentralizatsii
stantsii Cheliabinsk Iuzhno-Ural'skoi zh.d. Moskva, Vses. izda-
tel'sko-poligr. ob'edinenie M-va putei soobshchenia, 1961. 15 p.
(MIRA 15:2)

(Chelyabinsk--Railroads--Signaling--Interlocking systems)
(Railroads--Labor productivity)

KATSALAPENKO, V.I., inzh., retsenzent; LEONOV, A.A., inzh., retsenzent;
MIRSKIY, A.G., inzh., retsenzent; POGODIN, A.M., inzh.,
retsenzent; SMIRSKIY, A.A., kand. tekhn.nauk, retsenzent;
FRUMSON, A.N., inzh., retsenzent; SHMYREV, A.G., inzh.,
retsenzent; YURTSEV, I.I., inzh., retsenzent; BUNINA, D.A., inzh.,
red.; MEDVEDEVA, M.A., tekhn. red.

[Automatic control, remote control, and communications on a.c.
railroads] Avtomatika, telemekhanika i svyaz' na zheleznorykh
dorogakh s elektrotiaagai peremennogo toka; sbornik statei. Pod
obshchei red. D.A.Bunina. Moskva, Vses. izdatel'sko-poligr.
ob"edinenie M-va putei soobshcheniia, 1961. 201 p.

(MIRA 15:2)

(Electric railroads--Electronic equipment)

(Automatic control) (Remote control)

SHMYREV, Aleksandr Georgiyevich; VAKHNIN, M.I., doktor tekhn. nauk,
prof., retsenzent; YEFREMOV, M.I., retsenzent; MARENKOVA,
G.I., inzh., red.; KHITROVA, N.A., tekhn. red.

[Handbook on automation and remote control on railroads]
Spravochnik po zheleznodorozhnoi avtomatike i telemekhanike.
Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei
soobshcheniia, 1962. 311 p. (MIRA 15:3)
(Railroads) (Automation) (Remote control)

SHMYREV, A.G.

Technological innovations should receive wide acclaim.
Avtom., telem. i sviaz' 6 no.6:20-21 Je '62. (MIRA 15:7)

1. Zamestitel' rukovoditelya byuro seksii signalizatsii,
tsentralizatsii, blokirovki i svyazi TSentral'nogo pravleniya
nauchno-tekhnicheskogo obshechestva zheleznodorozhnogo transporta.
(Railroads—Technological innovations)

SHMYREV, Aleksandr Georgiyevich; MARENKOVA, G.I., red.

[Automatic signaling on railroad crossings] Avtomaticheskaya signalizatsiya na zheleznodorozhnykh pereezdakh. Moskva, Transport, 1964. 151 p. (MIRA 17:12)

SHMYREV, A.N., kand. tekhn. nauk

A.N. Krylov's contribution to the science of ship stabilization.
Trudy NTO sud.prom. 7 no.2:21-32 '57. (MIRA 12:1)
(Stability of ships)

SHMYREV, Aleksandr Nestorovich; MORENSHIL'DT, Vera Aleksandrovna; IL'INA, Sof'ya Glebovna; FATEYEV, A.V., doktor tekhn. nauk, prof., retsenzent; KHOLODILIN, A.N., kand. tekhn. nauk, retsenzent; LEVITIN, S.G., inzh., retsenzent; GERASIMOV, A.V., kand. tekhn. nauk, nauch. red.; CHERTKOV, R.I., kand. fiz.-mat. nauk, nauch. red.; KAZAROV, Yu.S., red.; ERASTOVA, N.V., tekhn. red.

[Ship stabilizers] Uspokoiteli kachki sudov. Leningrad, Gos. soiuзное izd-vo sudostroitel. promyshl., 1961. 515 p. (MIRA 14:12)
(Stability of ships)

GORSHKOV, Aleksey Stepanovich; RUSETSKIY, Aleksandr Alekseyevich.
Prinimal uchastiye ZEL'DIN, Ye.A.; SHMYREV, A.N., kand.
tekhn. nauk, retsenzent; ROZHDESTVENSKIY, V.N., dots.,
retsenzent; IVANOV, A.N., kand. tekhn. nauk, nauchnyy red.;
KAZAROV, Yu.S., red.; SHISHKOVA, L.M., tekhn. red.

[Cavitation pipes] Kavitatsionnye truby. Leningrad, Sudpromgiz,
1962. 165 p. (MIRA 16:2)

(Cavitation)

SHMYREV, A.N., kand. tekhn.nauk, inzhener-polkovnik; DROBLENKOV,
V.F., kand. tekhn. nauk, inzhener-kapitan 2-go ranga

A useful handbook. Mor. sbor. 47 no.10:93 0 '64. (MIRA 18:11)

ACC NR: AP6021988

(N)

SOURCE CODE: UR/0375/66/000/004/006770075

AUTHOR: Shmyrev, A. N. (Engineer; Colonel; Doctor of Technical Sciences)

ORG: None

TITLE: Methods and criteria for an approximate evaluation of the seaworthiness of warships

SOURCE: Morskoy sbornik, no. 4, 1966, 67-75

TOPIC TAGS: combatant ship, correlation statistics, ~~military status~~, ~~scientific relations~~, propulsion performance, periodic motion, naval equipment, ~~naval dynamics~~

ABSTRACT: Full utilization of combatant ship features depends on their behavior in a seaway. Ship's officers and staff planning officers must be able to evaluate behavior at sea and to compare such behavior from ship to ship. The manner in which such behavior is evaluated, and some of the criteria used, based on modern statistical ideas, is discussed. Characteristics such as roll, steering and underway performance, the taking of spray and wash aboard ship, are included in a summary evaluation of how a ship behaves at sea, and a formula for what is called the seaworthiness criterion is derived. The extensive data needed to use the formula can be obtained during combat training. All the above-mentioned factors must be taken into account, and the statistical data obtained from previous sea trials of

Card 1/2

Card 2/2

ACC NR: AP6033309

SOURCE CODE: UR/0375/66/000/010/0032/0039

Shmyrev, A. N. (Doctor of technical sciences; Professor; Engineer; Colonel);
Droblenkov, V. F. (Candidate of technical sciences; Engineer; Captain of second rank)

ORG: none

TITLE: Hydrobionics serves the fleet

SOURCE: Morskoy sbornik, no. 10, 1966, 32-39

TOPIC TAGS: bionics, hydrobionics, marine engineering

ABSTRACT: Hydrobionics is a new branch of bionics dealing with the study of marine biological forms, their methods of locomotion, and the possible application of these principles to ship design and operation. Among the basic subjects of research are: development of new shapes for easier motion in water media as well as new propulsion units and control elements; development of new methods of transmitting, recording, measuring and detecting acoustic and other signals in water media; development of new reliable automatic control systems and systems for coding, transmission, processing, and storing of information; and accomplishing submersions to great depths. In addition to these basic subjects there are a number of individual topics which are of great importance to navigation, i.e., orientation, location, camouflage, temperature control in water media, and others.

SUB CODE: 06, 13/ SUBM DATE: none

Card 1/1

SHMYREV, I.K.; DOWNER, A.D.; BARSKAYA, A.B.; KHMEL'NINA, L.M.; BRAYYER, L.;
PETROVSKIY, P.V.; FEDIN, E.I.

Program of computing nuclear magnetic resonance spectra of high
resolution in the case of strong spin-spin interaction. Zhur.
strukt. khim. 6 no. 4:625-632 J1-Ag '65 (MIRA 19:1)

1. Nauchno-issledovatel'skiy institut rezinovoy promyshlennosti
i Institut elementarnykh organicheskikh soyedineniy AN SSSR. Submitted
April 14, 1965

VCHOB'YEV, G.M.; GRECHNYY, Ya.V.; KOTOVA, I.I.; SHCHIREV, I.P.

Comparison of various methods of measuring the textural
perfection of cold-rolled transformer steel. Sav. lab.
31 no.8:983-986 '65. (MIRA 18:9)

1. Dnepropetrovskiy metallurgicheskiy institut.

CHUYKO, N.M.; GRECHNYY, Ya.V.; GALITSKIY, Yu.P.; SHMYREV, I.P.; VOROB'YEV, G.M.

Annealing of transformer steel in high vacuum and at high
temperatures. Izv. vys. ucheb. zav.; chern. met. 7 no.10:
49-54 '64. (MIRA 17:11)

1. Dnepropetrovskiy metallurgicheskiy institut.

SHMYREV, V.I.

SHMYREV, V.I.; PROVORNOV, S.M., kandidat tekhnicheskikh nauk, redakter.

[Moving-picture films and projection apparatus] Kinefil'm i kine-
proektsionnaya apparatura. Pod obshchei red. S.M. Preverneva.
Moskva, Iskusstvo, 1953. 402 p. (MIRA 7:7)
(Moving picture projection)

SHMYREV, Viktor Ivanovich; PROVORNOVA, S.M., kandidat tekhnicheskikh nauk,
redaktor; EYSYMONT, L.O., redaktor; VORONTSOVA, Z.V., tekhnicheskiiy
redaktor

[Motion-picture film and motion-picture projection apparatus]
Kinofil'm i kinoproektsionnaya apparatura. Pod red. S.M.Provornova.
Izd. 2-oe, 1 dop. Moskva, Gos. izd-vo "Iskusstvo," 1956. 423 p.
(Motion-picture projectors) (MLRA 10:2)

SEMYREV, V.I.; PROVORNOV, S.M., kand.tekhn.nauk, red.; EYSYMONT, L.O.,
red.; MALEK, Z.H., tekhn.red.

[Motion-picture film and its projection] Kinofil'm i kinopro-
ektsionnaya apparatura. Pod obshchei red. S.M.Provornova.
Izd.3., perer. i dop. Moskva, Gos.izd-vo "Iskusstvo," 1961.
402 p. (MIRA 14:4)

(Motion-picture projection)

SELYANOV, Viktor Ivanovich. Prinimal' uchastiye: PROVORNOV, S.M.,
prof. EYSYMENT, L.O., red.

[Motion-picture film and motion-picture projection equip-
ment] Kinofil'm i kinoproektsionnaia apparatura. Izd.4.,
perer. i dop. Moskva, Izd-vo "Iskusstvo," 1964. 535 p.
(MIRA 17:8)

Ukrainskaya nauka USSR, Kiev, Institut elektrosvariv i izeni abradenka Ye.O. Petukha
 Nauchnyye novyye sposoby svariiv i upravleniya: vyp. 2 (Introduction of
 New Welding Methods in Industry; Collection of Articles, No. 2) Kiev, Gos.
 izdat-vo tekhn. lit-ry Ukrainy SSR, 1959. 134 p. Brzeta slaly inserovani.
 3,000 copies printed.

АД.: В. Гарбуза: Тех. 24.: С. Натусевич.

...the book is intended for workers in the rubber industry.

COVERAGE: The book contains a discussion of welding techniques and problems by groups of scientists and welders. Much attention is given to problems in the application of new methods of mechanized welding and electro-slag welding.

This is the second collection of articles under the same title prepared and published by the Institut elektrovskii Izv. O. Paton (Institute of Electric Welding Izv. O. Paton). The preface is written by B. G. Paton, Academician of the Ukrainian Academy of Sciences and Winner of the Lenin Prize. There are no references.

There are no references.

[illegible]

Maduro, R. J. (Candidate of Technical Sciences), A. N. Sazonov
[Institute for Electromechanical Metallurgy, O. Paton (Electric Welding
Institute Metallurgy), and I. N. Gerasimov (Head of Welding
Department, Polotskiy Metallurgical Factory Metallurgy S. O. Ord-
bonnikov (Polotskiy Metallurgical Plant Metallurgy S. O. Ord-bonnikov). Electro-
metallurgy of Iron, Plastics of Metallurgy Austenitic Steel

Guvelich, S. M. (Candidate of Technical Sciences), Ye. P. Dzhukovskiy—
Engineer; Ye. D. Zagrebnyuk—Engineer; Institut elektromekhaniki (Insti-
tute of Electric Welding Institute (Inst. Ye. O. Paton)), P. S. Shima-
pol'skiy (Head of Welding Office), and V. P. Zhurav (Technologist of a
welding shop). Electro-slag Automatic Arc Welding of Medium and Large

[illegible][illegible][illegible]

SHMYREY, V. P.

PHASE I BOOK EXPLOITATION SOV/5078

Akademiya nauk URSR, Kiev. Institut elektrozvaruyuvannya
Vnesheniye novykh sposobov avarki v promyshlennosti; sbornik statey.
Vyd. 3. (Introduction of New Welding Methods in Industry; Col-
lection of Articles. v. 3) Kiev, Gos. izd-vo tekh. lit-ry
UkrSSR, 1960. 207 p. 5,000 copies printed.

Sponsoring Agency: Ordena Trudovogo Krasnogo Znameni Institut
Elektrozvarki imeni akademika Ye. O. Patona Akademii nauk
Ukrainskoy SSR.

Ed.: M. Pisarenko; Tech. Ed.: S. Katushevich.

PURPOSE: This collection of articles is intended for personnel in
the welding industry.

COVERPAGE: The articles deal with the combined experiences of the
Institut elektrozvarki imeni Ye. O. Patona (Electric Welding
Institute imeni Ye. O. Paton) and several industrial enterprises
in solving scientific and engineering problems in welding
technology.

Problems in the application of new methods of me-
chanized welding and electroslag welding in industry are discussed.
This is the third collection of articles published under the same
title. The Foreword was written by Ye. O. Paton, Academician of
the Academy of Sciences Ukrainian SSR and Lenin prize winner.
There are no references.

TABLE OF CONTENTS:

Izra, A. S. [Engineer], Yu. A. Stetsko [Candidate of Technical Sciences], V. M. Zhuravskiy [Engineer, Electric Welding Institute imeni Ye. O. Paton], D. P. Anzharov [Engineer, Zhdanovskiy zavod imeni I. I. Ichna (Zhdanov Plant imeni I. I. Ichna)], V. I. Rabinovich [Engineer, Barnaul'skiy zavod imeni I. I. Ichna (Barnaul Boiler Plant)], and V. V. Chernykh [Engineer, Krasnaya Armatura Machinery Plant]. Electroslag Welding of Steel-Plate Structures	17
Izra, A. S. [Engineer], A. M. Mikala [Candidate of Technical Sciences], and I. V. Novikov [Senior Engineer, Electric Welding Institute imeni Ye. O. Paton]. Electroslag Welding of Structures for Chemical Equipment Made from Medium-Alloy Steel Forged Sections	32
Moskvin, B. I. [Candidate of Technical Sciences], A. V. Karginov [Engineer, Electric Welding Institute imeni Ye. O. Paton], and A. M. Gerasimov [Head of Welding Department, Prolskiy mashinostroitel'nyy zavod imeni S. O. Ordzhonikidze (Prol'sk Machinery Plant imeni S. O. Ordzhonikidze)]. Electroslag Welding of Large Flanges Made of 12Kh18N9T Austenitic Steel	51
Gurevich, S. M. [Candidate of Technical Sciences], V. P. Dikoyanov [Engineer], S. D. Zagladnyuk [Engineer, Electric Welding Institute imeni Ye. O. Paton], P. S. Sinopol'skiy [Head of Welding Engineering Department], and V. P. Shmyrey [Welding Shop Process Engineer]. Automatic Arc and Electroslag Welding of Medium and Large-Thickness Titanium Products	64
Gorbunov, O. V. [Engineer, Electric Welding Institute imeni Ye. O. Paton], P. A. Zasko [Head of Welding Laboratory, VNIIT], and A. N. Yuryshov [Chief of the Bureau for Gas-line Construction of Olavazh SSR (Main Administration of the Gas Industry USSR)]. Mechanized Methods of Welding Main Gas Pipelines	74

SHMYREVA, A.

Production begins in the laboratory. Prom.koop. 14
no.7:14 J1 '60. (MIRA 13:8)

1. Tekhnoruk arteli "Lyuberetskiy kozhevnik," g.Lyubertsy,
Moskovskoy oblasti.
(Lyubertsy—Leather industry)

SHAULOV, Yu.Kh.; TUBYANSKAYA, V.S.; YEVSTEGNEYEVA, Ye.V.; SHINYREVA, G.O.

Determination of the enthalpies of formation of organoaluminum
compounds. Part 1. Zhur. fiz. khim. 38 no.7:1779-1783 J1 '64.
(MIRA 18:3)

L 27837-65 EWT(m)/EPF(c)/EPR/EWP(j)/EWA(h) PC-4/Pr-4/Ps-4/Pi-4/Peb RPL 4/ 37.8
 BW/WW/JW/RM S/0076/65/039/001/0105/0109

ACCESSION NR: AP5004354

AUTHOR: Shaulov, Yu. Kh. (Moscow); Shmyreva, G. O. (Moscow); Tubyanskaya, V. A. (Moscow)

TITLE: Heat of formation of organoaluminum compounds. II. Heat of formation of triethylaluminum, diisobutylaluminum hydride, and diethylaluminum hydride

SOURCE: Zhurnal fizicheskoy khimii, v. 39, no. 1, 1965, 105-109

TOPIC TAGS: organoaluminum compound, alkylaluminum, alkylaluminum hydride, heat of combustion, heat of formation.

ABSTRACT: An earlier study of heats of combustion and formation of organoaluminum compounds (Zhurnal fizicheskoy khimii, v. 38, 1964, 1779) was continued by measuring the heats of combustion at constant volume and physical properties of liquid triethylaluminum, diisobutylaluminum hydride and diethylaluminum hydride and by calculating the heats of evaporation and heats of combustion and formation under standard conditions. The specimens were purified by multiple vacuum rectification and their purity was determined by a linear dependence of $\lg p$ upon $1/T$; for diethylaluminum hydride this linearity was shown to be limited to temperatures above 100C. The specimens were burned in calorimetric bombs at 25 atm initial oxygen pressure and 23.6 or 25C initial temperature. The quantity of carbon dioxide formed

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L 27837-65

ACCESSION NR: AP5004354

4

was 97—100% of theoretical values and x-ray analysis proved that only α -alumina was formed. Heats of evaporation, and standard heats of combustion and formation were calculated. The latter, not accounting for heats of molecular association, are -51.9, -96.1, and -73.5 kcal/mol for triethylaluminum, diisobutylaluminum hydride, and diethylaluminum hydride, respectively, all values being based on the liquid state. The density and calculated normal boiling point for each compound are also given. "The authors acknowledge the assistance of A. A. Smolyaninova in the experimental work and thank A. F. Popov and N. N. Korneyev for supplying the samples studied." Orig. art. has: 4 tables, 1 figure, and 4 formulas. [08]

ASSOCIATION: none

SUBMITTED: 03Mar64

ENCL: 00

SUB CODE: OC,GC

NO REF SOV: 003

OTHER: 006

ATD PRESS: 3193

Card 2/2

L 44175-65 EPF(c)/EPR/EWT(m)/EWP(j) P1-4/Pc-4/Pr-4/Ps-4 RPL WJW/JW/RM

ACCESSION NR: AP5011473

UR/0076/65/039/004/1000/1002

AUTHOR: Yevstigneyeva, Ye. V.; Shmyreva, G. O.

TITLE: Heat of combustion of cyclopentadienylmanganese tricarbonyl

SOURCE: Zhurnal fizicheskoy khimii, v. 39, no. 4, 1965, 1000-1002

TOPIC TAGS: heat of combustion, heat of formation, cyclopentadienylmanganese tricarbonyl

ABSTRACT: The following experimental value of the heat of combustion of pure cyclopentadienylmanganese tricarbonyl was obtained by burning the latter in a calorimetric bomb at an oxygen pressure of 30 atm: $\Delta H_{\text{comb}}^{\circ} = -922.1 \pm 1 \text{ kcal/mole}$. This value is an average from 8 determinations on 2 specimens of cyclopentadienylmanganese tricarbonyl containing 47.00% C, 2.15% H, 25.55% Mn, and 25.8% O. The calculated value of the heat of formation of $\text{C}_5\text{H}_5\text{Mn}(\text{CO})_3$ was $-125.5 \pm 1 \text{ kcal/mole}$.
Orig. art. has: 1 table. [PS]

ASSOCIATION: none

SUBMITTED: 22Apr64

ENCL: 00

SUB CODE: FP, OC

NO REF SOV: 003

OTHER: 006

ATD PRESS: 3241

Card 1/1 253

L 14572-66 EWT(m)/EWP(j)/T WW/JW/JWD/WE/RM

ACC NR: AP6004180

SOURCE CODE: UR/0076/66/040/001/0122/0124

AUTHOR: Shaulov, Yu. Kh.; Shmyreva, G. O.; Tubyanskaya, V. S. 65

ORG: none

TITLE: Heat of combustion of ammonium borane 11, 11.5, 12

SOURCE: Zhurnal fizicheskoy khimii, v. 40, no. 1, 1966, 122-124

TOPIC TAGS: boron compound, borane, ammonium borane, heat of combustion, heat of formation

ABSTRACT: Heat of combustion at constant volume (ΔU) of ammonium borane BH_3NH_3 has been determined experimentally and its standard heat of formation ΔH_F^0 has been calculated. The exact value of ΔH_F^0 is necessary for solving problems connected with the synthesis of BH_3NH_3 . ΔH_F^0 was calculated from the equation: $\Delta H_F^0(\text{BH}_3\text{NH}_3(\text{cr})) = \Delta H_F^0(\text{H}_3\text{BO}_3(\text{cr})) + 1.5 \Delta H_F^0(\text{H}_2\text{O}(\text{liq})) - \Delta H_C^0(\text{BH}_3\text{NH}_3(\text{cr}))$, where $\Delta H_F^0(\text{H}_3\text{BO}_3(\text{cr}))$ and $\Delta H_F^0(\text{H}_2\text{O}(\text{liq}))$ are data from the literature, and $\Delta H_C^0(\text{BH}_3\text{NH}_3(\text{cr}))$ is the standard heat of combustion of BH_3NH_3 , which was calculated from the experimental ΔU . ΔU was determined calorimetrically by burning powdered BH_3NH_3 in oxygen under 30 atm at an initial temperature of $25 \pm 0.001^\circ\text{C}$. Calorimetric procedure and analysis of combustion products

Card 1/2

UDC: 541.11

L 14572-66

ACC NR: AP6004180

(boric acid and nitrogen) were described. Combustion of powdered BH_3NH_3 was 99.5—100% complete and dispersion of data was 0.2%. The average $\Delta H_C^\circ(\text{BH}_3\text{NH}_3(\text{cr}))$ was -322.4 ± 0.7 kcal/mol and the calculated $\Delta H_F^\circ(\text{BH}_3\text{NH}_3(\text{cr}))$ was -42.54 ± 1.4 kcal/mol. Orig. art. has: 1 table and 3 formulas. [JK]

SUB CODE: 07/ SUBM DATE: 26Sep64/ ORIG REF: 003/ OTH REF: 006/
ATD PRESS: 4190

Card 2/2

ALEKHIN, N.I.; NOGIN, M.V.; FEDOROV, I.V.; SHMYREVA, L.M.

Welding hot-rolled metals without cleaning the place under welding.
Trakt. i sel'khoz mash. no.3:37-39 Mr '65.

(MIRA 18:5)

1. Nauchno-issledovatel'skiy institut tekhnologii traktornogo i
sel'skokhozyaystvennogo mashinostroyeniya.

NOGIN, M.V., inzh.; SHMYREVA, L.M., inzh.

Spot welding of hot-rolled metal without preliminary cleaning.
Svar. proizv. no.3:15-17 Mr '66. (MIRA 18:5)

1. Nauchno-issledovatel'skiy institut tekhnologii traktornogo
i sel'skokhozyaystvennogo mashinostroyeniya.

KOZLOV, P.V.; BAKYEV, N.F.; ZEIN, A.B.; SHMYREVA, R.K.

Electron microscope study of the supermolecular structure of
poly- γ -benzyl-L-glutamate and poly- γ -methyl-L-glutamate.
Biofizika 7 no.3:266-269 '62. (MIRA 15:8)

1. Khimicheskiy fakul'tet Moskovskogo gosudarstvennogo universiteta
imeni Lomonosova.

(GLUTAMIC ACID) (STEREOCHEMISTRY)

KOZLOV, P.V.; BAKYEV, N.F.; SHMYREVA, R.K.; ZEZIN, A.B.

Electron microscope study of the supermolecular structure of
poly- γ -benzyl-L-glutamate. Dokl. AN SSSR 143 no.4:905-907
Ap '62. (MIRA 15:3)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
Predstavleno akademikom V.A.Karginym.
(Glutamic acid) (Electron microscopy) (Peptides)

Shmyreva, T. V.

AG The influence of methods of applying superphosphate and supplementary fertilizer ingredients on the utilization of phosphorus by plants. I. V. Gulyakin, P. M. Smirnov, B. P. Pleshkov, and T. V. Shmyreva (K. A. Timiryazev Agr. Acad., Moscow). *Pochvoedenie* 1955, No. 7, 23-30. — Plot expts. were conducted with oats and potatoes to study the influence of superphosphate, contg. tagged P mixed with manure and limestone, on the intake of P by plants. Deep incorporation of the phosphates is utilized more efficiently than shallow incorporation. The latter method gives better utilization of P in the early stages of growth, whereas the former method gives better utilization in the later stages of growth. The best method of supplying P is some row application and deep incorporation of phosphates. Mixed with manures, the P application gives better results in the later stages of growth than without manure. Limestone reduces the intake of P. Addns. of NH_4NO_3 when placed in the row decreases the intake of P in the early stages of growth and increases it in the later stages. 32 references.

J. S. Joffe

J

USSR / Soil Science. Mineral Fertilizers.

Abs Jour: Ref Zhur-Biol., No 7, 1958, 29494.

Author : Gulyakin, I.V., Smirnov, P.M. Pleshkov, B.P.,
Shmyreva, T.V.

Inst : ~~Not given.~~

Title : Plant Phosphorous Uptake in Relation to the Methods of Application of Superphosphate and Accompanying Fertilizers. (Postupleniye fosfora v rasteniya v zavisimosti ot sposobov vneseniya superfosfata i soputstvuyushchikh udobreniy).

Orig Pub: Dokl. Mosk. s.-kh, akad. im K. A. Timiryazeva, 1956, vyp. 22, 304-314.

Abstract: The effect of the methods and depth of application on plant P absorption and the role of organic substances, lime and other fertilizers when applied together with P_c were studied in

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Card 1/3

PLESHKOV, B.P.; SHMYREVA, T.V.; IVANKO, Sh.

Variation of free amino acid concentration in corn leaves and roots under different conditions of nutrition. Fiziol.rast. 6
no.6:668-678 M-D '59. (MIRA 13:4)

1. Department of Agricultural and Biological Chemistry, K.A.
Timiriazev Agricultural Academy, Moscow.
(Amino acids) (Corn (Maize)) (Plants--Nutrition)

PLESNIKOV, B.P.; SHMYREVA, T.V.; IVANKO, Sh.

Rate of amino acid metabolism in plants. Biokhimiia 24
no.3:408-413 My-Je '59. (MIRA 12:9)

1. The Agricultural Academy, Moscow.
(PLANTS, metab.
amino acids (Rus))
(AMINO ACIDS, metab.
plants (Rus))

MARKOVA, Z.S.; KRONGAUZ, Ye.A.; SHMYREVA, T.V.; GANDMAN, M.G.;
BUDNITSKAYA, Z.S.

Non-germinating properties of the spores in a Bac. megatherium
var. phosphaticum culture. Mikrobiologiya 31 no.1:103-110
Ja-F '62. (MIRA 15:3)

1. Moskovskogo otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo
instituta sel'skokhozyaystvennoy mikrobiologii.
(BACILLUS MEGATHERIUM)

SHNEL'N, T.I. (1963).

Morphology of the endocardium in atherosclerosis. Arkh. pat. 27
no.4:40-45 '63. (MIRA 18:5)

1. Katerina, I. I. (1963) - deyatvitel'nyy chlen
ZIN SSSR (1963) i Moskovskogo meditsinskogo
instituta im. I. P. Pavlova.

GAZ, Ye.I.; SHAYKINA, I.V.; KRASNOPOL'SKIYA, V.S.

Phases of spore germination of various cultures of *Bacillus*
megaterium var. *phosphaticum*. Mikrobiologiya 34 no.1:65-72
Ja-F 1965. (MIRA 18:7)

1. Laskovskoye otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo instituta sel'skokhozyaystvennoy mikrobiologii.

SHMYROV, P.

Let's strengthen contacts between school and industry. Sov.
profsoiuzy 16 no.18:13-15 S '60. (MIRA 13:10)

1. Sekretar' Tsentral'nogo komiteta profsoyuza rabotnikov prosve-
shcheniya, vysshey shkoly i nauchnykh uchrezhdeniy.
(Education, Cooperative)

3-58-2-1/33

Shmyrov, P.V.
AUTHOR: Shmyrov, P.V., Secretary of the Central Committee of the Professional Union of Educational Workers of Higher Schools and Scientific Institutions of the USSR

TITLE: The Fighting Program of the Profsoyuz Activity at Higher Schools (Boevaya programma deyatel'nosti profsoyuza v vysshey shkole)

PERIODICAL: Vestnik Vysshey Shkoly, 1958, # 2, pp 3-7 (USSR)

ABSTRACT: The article describes the organizational and educational activity of the Professional Union in the higher schools. The Union is influential in placing teachers, and participates in the work of commissions conducting competitive entrance examinations. Representatives are members of vuz councils, faculties and admittance commissions. They have done much to improve student education. The amalgamation of the Professional Union of professors and instructors with that of the students, has worked well.

The author mentions some instances in which the Profsoyuz has influenced decisions of the Ministry of Higher Education, as regards competitive examinations.

The Profsoyuz organizations will take a real interest in

Card 1/2

SHMYROVA, A. M.

SHMYROVA, A. M.: "Improving the cleaning of air entering a tractor engine by removing dust with the exhaust gases." Min Higher Education USSR. Chelyabinsk Inst of Mechanization and Electrification of Agriculture. Chair of "Tractors and Automobiles." Chelyabinsk, 1956.
(Dissertation for the Degree of Candidate in Technical Sciences).

SO: Knizhnaya letopis', No 23, 1956

SHMYROVA, A.M., kand. tekhn. nauk

Investigating the screened inertia air cleaner for the KDM-
100 engine. Izv. vys. ucheb. zav.; mashinostr. no.12:90-94 '64.
(MIRA 18:3)

1. Chelyabinskiy institut mekhanizatsii i elektrifikatsii sel'skogo
khozyaystva.

MOZGOVOY, A.A., POPOVA, T.I., SHALAYEVA, N.M., SHMYTOVA, G.Ya.

In defense of the specific independence of some ascarids parasitic
in man and animals. Trudy Gel'm. lab. 10:153-165 '60.
(MIRA 13:7)

(ASCARIDS AND ASCARIASIS)

SHMYTOVA, G.Ya.

Development of Ascarops strongylina (Rudolphi, 1819) in the
organism of its intermediate host. Trudy Gel'm.lab. 11:363-
372 '61. (MIRA 15:12)

(Ascarops---Host animals)

SHMYTOVA, G.Ya.

Role of Coprophaga in the epizootiology of some Spirura infections
of domestic animals. Trudy Gel'm. lab. 12:331-344 '62.
(MIRA 15:7)

(Nematoda) (Insects as carriers of disease)

IVASHKIN, V.M., doktor veter. nauk; KHRONOVA, L.A., mladshiy nauchnyy
sotrudnik; SHMITOVA, G.Ya., mladshiy nauchnyy sotrudnik

Stephanofilariasis in cattle. Veterinariia 40 no.8:36-39 Ag '63.
(MIRA 17:10)

1. Gel'mintologicheskaya laboratoriya AN SSSR.

IVASHKIN, V.M.; KHROMOVA, L.A.; SHMYTOVA, G.Ya.

Deciphering the developmental cycle of the nematode *Stephanofilaria stilesi* Chirwood, 1934, a parasite of the skin of ruminants. Dokl. AN SSSR 153 no.5:1223-1224 D '63.

(MIRA 17:1)

1. Gel'mintologicheskaya laboratoriya AN SSSR. Predstavleno akademikom K.I. Skryabinym.

SHMYTOVA, G.Ya.

Morphological characteristics of Spirurata parasitizing in the stomach of swine. Trudy Gel'm. lab. 14:285-287 '64. (MIRA 17:10)

Study of the ontogenetic development of the nematode Ascarops strongylina. Ibid.:288-301

IVASHKIN, V.M.; KHROMOVA, L.A.; SHMYTOVA, G. Ya.

Significance of biological characters in the taxonomy of some
Filarioidae. Trudy Gel'm. lab. 15:79-81 '65 (MIRA 19:1)

PRUSAKOVA, I.R.; SHNABEL', A.D.

Method for reducing the penetration of carbamide glasses. Ber.
prom. 14 no.6:24 Je '65. (MIRA 18:7)

KAURICHEV, I.S.; FEDOROV, Ye.A.; SHNABEL', I.A.

Applying continuous paper electrophoresis in separating humic acids.
Pochvovedenie no.10:31-36 '60. (MIRA 13:10)

1. Timiryazevskaya sel'skokhozyaystvennaya akademiya.
(Paper electrophoresis) (Humic acid)

SHNAREVICH, I.D.; IZMAYLOVA, L.M.; IVANCHIK, G.S.

Effect of rafting and industrial waste on the bottom fauna and
fish productivity of the upper and central Prut River. Hidrobiol.
zhur. 1 no. 6:20-27 '65 (MIRA 1961)

1. Chernovitskiy gosudarstvennyy universitet, laboratoriya
prirodnikh resursov Karpat.

LIBERMAN, A.L.; SHNABEL', K.Kh.; KAZANSKIY, B.A.

Effect of the method of preparing platinized coal on its activity in C₅-dehydrocyclization of paraffins and dehydrogenation of cyclohexane hydrocarbons. Part 2: Influence of platinum reduction conditions. Kin.i kat. 2 no.4:547-552 JI-Ag '61. (MIRA 14:10)

1. Institut organicheskoy khimii imeni N.D.Zelinskogo AN SSSR.
(Platinum) (Catalysis) (Dehydrogenation)

SHNAIDER, Ye.B.

Side effects of butadion. Klin. med. 38 no. 2:138-139 F '60.
(MIRA 14:1)

(PYRAZOLIDINEDIONE)

SHINAK, Fridrikh

Red soil island. Vokrug sveta no.9:38-41 S'55. (MIRA 8:12)
(Madagascar--Description and travel)

SHNAPIR, L. M.

SHNAPIR, L. M. - "Open and Closed Injuries of the Liver in Peace and War." Sub 25 Mar 52, Central Inst for the Advanced Training of Physicians. (Dissertation for the Degree of Doctor in Medical Sciences).

SO: Vechernaya Moskva January-December 1952

ARUTYUNOV, V.D.; SHNAPER, L.M. (Moskva)

Case of chronic radiation sickness. Vest.rent. i rad. 32 no.2:70-73
Mr-Apr '57. (MLRA 10:8)

1. Iz khirurgicheskogo i patologoanatomicheskogo otdeleniya gorodskoy
bol'nitsy No.29 imeni Baumana (glavnyy vrach N.G.Orlov)
(CERVIX NEOPLASMS, therapy,
x-ray, causing chronic radiation sickness (Rus))
(ROENTGEN RAYS, injurious effects,
radiation sickness, chronic, in ther. of cervical tumor
(Rus))

SHNAPER, L.M., kand.med.nauk

Closed lesions of the kidneys. Urologiia 25 no.1:52-56 Ja-F
'60. (MIRA 15:6)

1. Iz khirurgicheskogo otdeleniya (zav. - prof. B.S. Rozanov)
Moskovskiy klinicheskoy bol'nitsy imeni S.P. Botkina.
(KIDNEYS--WOUNDS AND INJURIES)

KAZARNOVSKIY, D.S., doktor tekhn. nauk; GERSHGORN, M.A., inzh.; SVIRIDENKO, F.F., inzh.; KRAVTSOVA, I.P., inzh.; SHNAPERMAN, L.Ya., inzh.

Development, adoption, and introduction of a low-alloy steel
for heavy type railroad rails. Stal' 25 no.4:355-357 Ap '65.
(MIRA 18:11)

1. Ukrainskiy nauchno-issledovatel'skiy institut metallov i
zavod "Azovatal".

RASHKOV, S.Ye.; ISAYEV, A.M.; OSTROVSKIY, A.P.; SHNAPIR, Ya.I.; MALYSHEV, V.Ya.;
BORISOV. B.V.

Method of fire drilling. Gor. zhur. no.7:76 J1 '62. (MIRA 15:7)
(Boring machinery)

SHNAPIR, Ya.I.

Investigating forced jet piercing in the Altyn-Topkan and Krivoy
Rog pits. Trudy VNIIBT no.10:40-53 '63.

Jet piercing abroad; bulletin No.3.

Ibid.:148-156

(MIRA 17:4)

BRICHKIN, A.V.; POGREB, V.I.; SHNAPIR, Ya.I.

Theoretical evaluation of the nature of the stresses, deformations,
and heat transfer conditions in a rock in the presence of forced
heat flows. Trudy VNIIBT no.10:136-147 '63. (MIRA 17:4)

SHNAPIR, Ye., red.; KASHIRIN, A., tekhn. red.

[Dies for sheet-metal work: parts and units; design and over-all dimensions] Shtampy dlia kholodnoi shtampovki: Detali i uzly; konstruksii i ispolnitel'nye razmery. Moskva, Gos. izd-vo standartov, 1960. 196 p. (MIRA 14:12)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut po normalizatsii v mashinostroyenii.
(Dies (Metalworking))

SHNAPIR, Ye., red.; KASHIRIN, A., tekhn. red.

[One-piece cutters and rim saws] Frezy tsel'nye i pily segmentnye. Moskva, Gos. izd-vo standartov, 1960. 84 p.
(MIRA 15:3)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut po normalizatsii v mashinostroyenii.

(Metal-cutting tools--Standards) (Circular saws--Standards)

SHNAPIR, Ye.B., red.; KASHIRIN, A.G., tekhn. red.

[Molds for pressure-forming of articles from thermosetting plastics; detachable molds. Parts and units; design and specification] Press-formy dlia pressovaniia izdelii iz re-
aktoplastov: Press-formy s"emnye. Detali i uzly; konstruk-
tsiia i ispolnitel'nye razmery. Moskva, Standartgiz, 1961.
182 p. (MIRA 15:9)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut po
normalizatsii v mashinostroyenii.
(Plastics--Molding)

SHINAPIR, Ye.B., red.; RASNEVSKAYA, Ye.Z., tekhn. red.

[Dies for sheet-metal work; punches and lower dies for
piercing square and oval holes (MN 2738-61 - MN 2749-61)]
Shtampy dlia kholodnoi shtampovki; puansony i matrity
dlia probivki kvadratnykh i oval'nykh otverstii (MN 2738-
61 - MN 2749-61). Moskva, Standartgiz, 1962. 55 p.

(MIRA 15:10)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut po
normalizatsii v mashinostroyenii.

(Dies (Metalworking))--Standards)

SHNAPIR, Ye.B., red.; MATVEYEVA, A.Ye., tekhn. red.

[Auxiliary tools for gear-milling and gear-shaping machines] Instrument vspomogatel'nyi dlia zubofrezernykh i zubodolbezhnykh stankov. (MN 3487-62 - MN 3515-62). Moskva, Standartgiz, 1963. 98 p. (MIRA 17:2)

1. Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov.

SHNAPIR, Ye.B., red.; MATVEYEVA, A.Ye., tekhn. red.

[Noncorrected spur gears with a module from 1,5 to 8 mm.]
Kolesa zubchatye tsilindricheskie nekorrigirovannye s mo-
dulem ot 1,5 do 8mm (MN 2793-61 - MN 2865-61). Moskva,
Standartgiz, 1963. 267 p. (MIRA 17:3)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut po
normalizatsii v mashinostroyenii.

L 44712-66 EWT(d)/EWT(m)/EWP(c)/EWP(k)/EWP(h)/T/EWP(v)/EWP(t)/EWP(1)/ETI IJP(c)

ACC NR: AP6030744 JD

SOURCE CODE: UR/0028/65/000/012/0029/0030

AUTHOR: Shnapir, Ye. B.ORG: VNIINMASHTITLE: Inspection for machine tools ✓SOURCE: Standartizatsiya, no. 12, 1965, 29-30

TOPIC TAGS: machine tool, metal cutting machine tool, machine tool industry, quality control

ABSTRACT: Awards gained at various international expositions notwithstanding, the Soviet machine tool industry suffers from many ills, the most serious being lack of precision. Chronic inability to manufacture high-precision machine tools is compelling the Soviets to procure from the West such precision units as diamond boring machines, diamond honing machines, and copying lathes.

During the past three years, the Ryazan' Machine Tool Plant received over 250 complaints regarding the quality of its production. These complaints are significant, since they prove that in terms of quality of manufacture, as well as in terms of finish, many Soviet machine tools

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ACC NR: AP6030744

are inferior to those manufactured abroad. In May 1965, the Administration for State Inspection together with the Administration for Machinery Manufacturing, VNIINMash, VNIIGK, and local agencies of the State Committee on Standards surveyed several dozen machine tool manufacturing plants. This survey was a continuation of a survey that originated with the State Committee in August 1964. Data collected showed that many plants turn out machine tools not corresponding to State standards. Violations of standards were noted in the Klin and Chita plants, the Leningrad Plant imeni Sverdlov, the Moscow Jig Borer Plant, and others. While most Western machine tool manufacturers stay within 40 to 50 per cent of the tolerance limits, Soviet manufacturers use the full limit, with the result that after prolonged work, such machine tools lose their precision and have to be completely overhauled.

The survey also ascertained that the substandard quality of machine tools stems from low levels of manufacturing technology; existence of limitations on the use of high-quality materials in short supply, e. g., trade mark cast irons, alloyed steels, and tin bronzes and an inadequate supply of measuring instruments. Especially detrimental to the service life and precision of machine tools are inferior bearings, motors, electrical and hydraulic equipment, industrial rubber compounds, etc.

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ACC NR: AP6030744

It was found that in terms of engineering parameters, only 79 per cent of the production of the machine tool and cutting tool industry of Moscow equals similar Western-made goods and only 40 per cent could match the service life of foreign-made equipment.

Individual instances of improvement in the quality of production have been noted recently in several machine tool manufacturing plants, yet these efforts appear to be only fractional. One of the reasons appears to be the absence of set requirements from the Division for Technical Control (OTK) and weak efforts in the area of defect prevention. Machine tool plants suffer from an acute shortage of precision measuring instruments. Specifically, the Shaulay Precision Machine Tool Plant is in dire need of "Taylorund" instruments and MS-51 microscopes for inspection of surface finish. The above plant also needs finishing equipment, etc.

Standardization services are either nonexistent, as is the case in the entire Leningrad area, or understaffed as in the Moscow "Mosstan-kolinyia" Plant, where only 1.8 per cent of the designers and engineers are concerned with standards and specifications. [ATD PRESS: 4186-F]

SUB CODE: 13 / SUBM DATE: none

Card 3/3 hs

PAVLINOVA, A.V.; SHNAREVICH, A.I.

Composition and stability of a citrate compound of manganese.
Zhur. neorg. khim. 5 no. 12:2759-2763 D '60. (MIRA 13:12)
(Manganese compounds) (Citric acid)

SHNAREVICH, A. I.

Cand Chem Sci - (diss) "Complex compounds of manganese(II) in citrates and tartrates." Chernovtsy, 1961. 15 pp; (Ministry of Higher and Secondary Specialist Education Ukrainian SSR, Odessa State Univ imeni I. I. Mechnikov); 200 copies; price not given; (KL, 6-61 sup, 200)

LOPUSHANSKIY, A.I.; SHNAREVICH, A.I.

Polarographic behavior of betaine alkyl esters. Zhur. ob. khim.
34 no.10:3153-3156 O '64. (MIRA 17:11)

1. Chernovitskiy meditsinskiy institut.

SHNAREVICH, D. I.

Shnarevich, D. I.

"Methods of setting up counting schemes for relay-system automatic telephone stations." Min Railways USSR. Leningrad Order of Lenin Inst of Railroad Transport Engineers imeni Academician V. N. Obraztsov. Leningrad, 1956. (Dissertation for the Degree of Candidate in Technical Science.)

Knizhnaya Letopis'
No. 18, 1956. Moscow.

SOV/112-59-3-5406

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1959, Nr 3, p 158 (USSR)

AUTHOR: Shnarevich, D. I.

TITLE: Transformation of Relay Schemes by Introducing Additional Windings on the Relays (Preobrazovaniye releynykh skhem metodom vvedeniya na rele dopolnitel'nykh obmotok)

PERIODICAL: Sb. Leningr. in-ta inzh. zh.-d. transp., 1958, Nr 158, pp 318-324

ABSTRACT: Fundamental laws of scheme transformation comprising contact circuits and windings, with a constant number of windings, are presented. The possibility is shown for introducing new windings into a scheme which has no counter-acting windings. Considering that a counter-acting winding (denoted by the tilda sign, like \tilde{X}) kills the action of the fundamental winding (without the tilda), equivalence expressions are suggested, the so-called laws of compensation: $X = X^1 + \tilde{X}^2 + X^3 + \dots + \tilde{X}^{2n} + X^{2n-1}$; $X = X^1 \tilde{X}^2 X^3, \dots, \tilde{X}^{2n} X^{2n-1}$, where $X^1, X^3, \dots, X^{2n-1}$ and $\tilde{X}^2, \tilde{X}^{2n}$ are the acting and

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SOV/112-59-3-5406

Transformation of Relay Schemes by Introducing Additional Windings on the Relays counter-acting windings numbered in any sequence by odd and even numbers respectively. On the above grounds, these distributive laws for relay schemes are deduced:

$$\begin{aligned}(a + b) X &= aX + bX + ab\tilde{X}; \\ ab + X &= (a + X) (b + X) (a + b + \tilde{X}) \\ (aX + bY)Z &= aXZ + bYZ + ab\tilde{Z}.\end{aligned}$$

In addition, equivalences are introduced which permit transition to an inverse contact circuit: $aX + X\tilde{X} = \tilde{a}\tilde{X} + X$; $(\tilde{a} + X) X\tilde{X} = (a + \tilde{X})X$ and a few other equivalences. Use of the above equivalences is illustrated by the transformation of a binary-counter scheme. Bibliography: 12 items.

V.N.R.

Card 2/2

SHNAREVICH, D. I. Cand Tech Sci -- "Methods of structural transformations of relay ^{systems} ~~circuits~~ with ^{supplementary} ~~additional~~ windings and their use in the telephone ^{system} ~~circuit~~ synthesis." Len, 1961. (Len Order of Lenin Inst of Engineers of Railroad Transport im Academician V. N. Obrastsov). (KL, 4-61, 203)

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-5-1-

SEGAL', Apollon Moiseyevich; BRON, O.B., doktor tekhn. nauk,
prof.; ORANSKIY, M.I., kand. tekhn. nauk, dots.,
retsenzent; SHNAREVICH, D.I., kand. tekhn. nauk, dots.,
retsenzent; VOL'PE, L., red.

[Electromagnetic field, Theoretical principles of electrical
engineering] Elektromagnitnoe pole, TOE. Leningrad, Severo-
Zapadnyi zaachnyi politekhn. in-t, 1964. 71 p.
(MIRA 18:11)

MAKUSHENKO, N.A.; SHNAREVICH, I.D.

Distribution and ecology of certain species of game animals in
Chernovtsy Province. Nauk.zap.L'viv.nauk.pryrod.muz. AN URSS 3:
77-90 '54. (MIRA 8:5)
(Chernovtsy Province--Game and game birds)

MARTYNOVSKIY, V.S., doktor tekhn.nauk, prof.; MEL'TSER, L.Z., kand.tekhn.
nauk; SHNAYD, I.M., inzh.

Energy efficiency of different types of cold generators. Khol.
tekh. 38 no.6:11-16 N-D '61. (MIRA 15:1)

1. Odesskiy tekhnologicheskiy institut pishchevoy i kholodil'noy
promyshlennosti.

(Refregeration and refrigerating machinery)

SHNAYD, I.M., inzh.

Maximum refrigerating capacity of electrodynamic compressors. Trudy
(MIRA 17:1)
OTIPIKhP 12:33-86 '62.

1. Kafedra kholodil'nykh mashin Odesskogo tekhnologicheskogo instituta
pishchevoy i kholodil'noy promyshlennosti.

MARTYNOVSKIY, V.S.; SHNAYD, I.M.

Decrease of irreversible losses in high-temperature insulation.
Teplofiz. vys. temp. 2 no.5:831-834 S-O '64.

(MIRA 17:11)

1. Odesskiy tekhnologicheskii institut pishchevoy i kholodil'noy
promyshlennosti.

01/06/1990

(K)

DocId: UR/0143/66/000/010/0573/0077

AUTHOR: Martynovskiy, V. S. (Doctor of technical sciences, Professor); Kal'tsor, L. Z. (Candidate of technical sciences, Docent); Shnayd, I. K. (Candidate of technical sciences)

ORG: Odessa Technological Institute for the Food and Refrigeration Industries (Odesskiy tekhnologicheskii institut pishchevoy i kholodil'noy promyshlennosti)

TITLE: Thermal insulation with minimal exoergic losses

SOURCE: IVUZ. Energetika, no. 10, 1966, 73-77

TOPIC TAGS: thermal insulation, entropy, irreversible thermodynamics, heat transfer coefficient, heat conductivity coefficient

ABSTRACT: The magnitude of the exoergic losses, E , in insulation in unit time is determined by the following expression:

$$E = T_g \frac{dS}{dt}, \quad (1)$$

where T_g is the temperature of the surrounding medium; S is the entropy arising in the insulation; t is the time. Minimal exoergic losses exist in an insulating construction with a minimum rate of entropy formation, dS/dt . In the one-dimensional case considered in the article, the quantity dS/dt is determined by the methods of

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UDC: 662.998

ACC NR: AP7001750

non-equilibrium thermodynamics as

$$\frac{dS}{dt} = F \int_0^l \lambda(T) \left(\frac{1}{T} \cdot \frac{dT}{dx} \right)^2 dx, \quad (2)$$

where F , l are, respectively, the area and the thickness of the insulating construction; x is a coordinate, calculated in a direction normal to the isothermal planes in the insulation; T is the absolute temperature; $\lambda(T)$ is the heat conductivity coefficient of the insulation. From the mathematical solution of the above problem, the following conclusions are drawn: 1) the conditions for a minimum in the exoergic losses are a result of irreversible heat transfer in the heat insulation, and are determined by the nature of the heat conductivity coefficient $\lambda(T)$; 2) if λ does not depend on the temperature, or if it decreases with a decrease in the temperature, the absence of heat removal from the insulation is a necessary condition for the attainment of minimum exoergic losses. Orig. art. has: 15 formulas and 1 figure.

SUB CODE: 11, 20/ SUBM DATE: 29Nov65/ ORIG REF: 003/ OTH REF: 002

Co-d 2/2

VIKHOREV, G.A., inzh.; SHNAYD, I.M.

Experimental electrodynamic compressor for household refrigerators.
Khol.tekh. 40 no.1:17-20 Ja-F '63. (MIRA 16:3)

1. Odesskiy tekhnologicheskii institut pishchevoy i kholodil'noy
promyshlennosti. (Refrigeration and refrigerating machinery) (Compressors)

SHNAYDEN, B. I.

Mbr., Lab. Metallophysics, Inst. Organic Chemistry, Dept. Physico-Math. & Chem. Sci.,
Ukr. Acad. Sci., -c1949-. "The Generation of Crystallization Centers in Supercooled
Liquids: (IX. The Emergence of Crystallization Centers of Alpha-Salol in Rock Salt
Particles)", Zhur. Eksper. i Teoret. Fiz., 19, N. 10, 1949.

SHIMAYDEN, B.I., inzh.; SHENKAR, S.Ye., inzh.

Zinc plating of shoe nails with the diffusion method. Kozh.-
obuv.prom. 2 no.2:26-27 F '60. (MIRA 13:5)
(Metals--Diffusion coatings)
(Nails and spikes)

C. A. SHNAYDEN, V. I.

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Photometric control of the transmittancy of semitransparent layers. V. I. Shnalden. *Zarodskaya Lab.* 16, 301 (1950).—A photoelectric device is described for use during deposition of coatings by evapn. under vacuum. C. F.

SHNAYDER, M.S.; SHNAYDER, A.A.

Textural and structural characteristics and the mineral paragenesis
of ores in the Kamysh deposit. Trudy Akad. Nauk Kazakh SSR
16:158-171 '63. (MIRA 17:10)

MYAGKOV, Vasilii Dmitriyevich; PEREL'MAN, G.B., inzh., retsenzent;
SHNAYDER, A.M., inzh., retsenzent; RUNICH, K.N., inzh., red.;
ONISICHENKO, R.N., red. izd-va; SHCHETININA, L.V., tekhn. red.

[Brief manual for machinery designers] Kratkii spravochnik
konstruktora. Moskva, Mashgiz, 1961. 543 p. (MIRA 15:2)
(Machinery—Design)

SHNAYDER, B.I., inzhener.

Automatic welding of the hoisting cranes "Pioner-2". Avtog. delo 24 no.6:
18-19 Je '53. (MLRA 6:5)

(Electric welding) (Cranes, Derricks, Etc.)

Schnayder, B. I.

AID P - 997

Subject : USSR/Engineering

Card 1/2 Pub. 11 - 11/13

Author : Schnayder, B. I.

Title : Scientific and Technical Conference dedicated to the 100th anniversary of the birth of N. G. Slavyanov

Periodical : Avtom. svar., #5, 91-94, S-0 1954

Abstract : General information is given on the subjects of the presented papers and the resolutions adopted. The major thesis of the Conference was that electric welding was originated by N. N. Benardos and N. G. Slavyanov on the basis of the discovery of the electric arc in 1802 by the Academician V. V. Petrov. Other papers and resolutions are related to general outlines of automatic and semi-automatic methods of welding, welding under ceramic flux and slag, vertical arc and multi-arc welding, nonferrous metal welding and apparatuses.

Institutions: Institute of Electric Welding im. E. O. Paton; Kharkov,

AID P - 997

Avtom. svar., #5, 91-94, S-O 1954

Card 2/2 Pub. 11 - 11/13

Kiyev and Dnepropetrovsk branches of the All-Union
Scientific Society of Engineers, Technicians and
Welders; Kuybyshev Polytechnic Institute; Sverdlov
Polytechnic Institute; Leningrad Polytechnic
Institute.

Submitted : No date

SHNAYDER, B. I.

USSR/Engineering - Welding equipment

Card : 1/1 Pub. 128 - 19/32

Authors : Shnayder, B. I.

Title : Concerning welding of a thin sheet-steel, with a TS-17 welder.

Periodical : Vest. mash. 34/7, 64 - 65, July 1954

Abstract : References are given on welding of a thin sheet-steel, with a TS-17 welder. The welder was designed and constructed in 1948, by the "E. O. Paton" Institute of Electrical Welding of the AS of the USSR. The structure, operation and performance of the above mentioned machine, is described. Diagrams.

Institution : ...

Submitted : ...